

REMARKS

In the Office Action mailed January 22, 2002:

Claims 1-6, 9-12 and 15-18 were rejected under 35 U.S.C. 102(e) as being anticipated by Bahl (U.S. Pat. 6,072,160).

Claims 7-8, 13-14 and 19-20 were objected to as being dependent upon a rejected base claim, but were indicated to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 7, 8, 10, 12-14, and 18-20 have been amended to correct antecedents. Specifically, the word "the" is removed from claims 7, 8, 12-14, and 18-20 where there is no antecedent basis for the subsequent text. In claim 10, the word "a" is changed to "the" because the subsequent text has an antecedent basis. The amendments are not intended to narrow the claims in any way. No new subject matter has been added.

The independent claims of the present invention are directed to a lamphead for use in semiconductor processing that includes lamp receptacles and reflector cavities formed in a monolithic member.

Bahl discloses a radiant energy assembly 38 (FIG. 1) with a plurality of light pipes 41 (FIG. 2). Inside each of the light pipes 41 is a specular reflector 159. However, the specular reflectors are defined within the light pipes 41; and the light pipes 41 themselves are not formed in a monolithic member. Rather, light pipes 41 are each secured to walls 42 and 43. As described in Bahl at col. 5, lines 17-22 with reference to FIG. 2:

The ends of the light pipes 41 are brazed, welded, or otherwise secured to the peripheral edge of the cooling chamber walls 42 and 43, and together therewith defines a cooling chamber 46.

Thus, rather than forming lamp receptacles and reflector cavities in a monolithic member, Bahl discloses forming a reflective cavity within each of a plurality of light pipes 41, then independently securing each light pipe 41 to chamber walls 42 and 43. Therefore, Bahl does not disclose lamp receptacles and reflector cavities formed in a monolithic member. Moreover, in describing an assembly in which a reflective cavity is formed within each of a

plurality of light pipes and the light pipes are individually secured to a chamber, Bahl teaches away from the claimed monolithic structure of lamp receptacles and reflector cavities and cannot be said to suggest such a structure.

To anticipate a claim, the reference must teach every element of the claim. MPEP 2131. Independent claims 1, 9 and 15 all require a plurality of lamp receptacles and reflector cavities formed in a monolithic member. Bahl does not disclose or suggest forming a plurality of lamp receptacles and reflector cavities in a monolithic member. Since Bahl does not disclose forming lamp receptacles and reflector cavities in a monolithic member, the rejection of independent claims 1, 9, and 15 is respectfully traversed. Dependent claims 2-6, 10-12, and 16-18 are patentable for at least the same reasons as independent claims 1, 9, and 15, respectively.

The Examiner indicated claims 7-8, 13-14, and 19-20 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. For the reasons given above, independent claims 1, 9, and 15, on which these claims depend, are believed to be patentable and accordingly these claims are believed to be in a condition for allowance.

In view of the foregoing, applicants believe that all of the claims are now in condition for allowance and respectfully requests the Examiner to pass the subject application to issue. If for any reason the Examiner believes any of the claims are not in condition for allowance, he is encouraged to phone the undersigned at (650) 849-7777 so that any remaining issues may be resolved.

No fee is believed due for filing this response. However, if a fee is due, please charge such fee to Pennie & Edmonds LLP's Deposit Account No. 16-1150.

Respectfully submitted,

Date: June 21, 2002



Francis E. Morris

PENNIE & EDMONDS LLP

1155 Avenue of the Americas

New York, NY 10036-2811

(650) 849-7777

24,615
(Reg. No.)